

5th expert meeting

IEA SHC Task 53

New Generation Solar Cooling & Heating Systems (PV or solar thermally driven systems)

ATECYR, Calle Agastia 112, Madrid (Spain)

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Meeting Agenda – Final Version

Tuesday April 12th, 2016, 9:00am – 18:00 pm
Wednesday, April 13th, 2016, 9:00am – 13:30 am

Task 53 website : <http://task53.iea-shc.org/>

Participation fee:

Registration fee is determined based on different activities (including dinner, lunch, and Coffee break, et al).

The amount is 100 EURO (VAT is not applicable) and the registration process is managed by ATECYR

Please fill in the Excel form and send it by email to both Pedro Vicente (pedro.vicente@umh.es) and Marta Satrustegui (info@atecyr.org). They will organize the invoice and the payment with you directly (Bank transfer, cash and credit card is possible).

Logistics special matters:

Specific tips are given in Annex 2 to join and stay in Madrid.

Side events / Workshops:

Two events will be held on Monday 11th April

- A join meeting with IEA PVPS will be held on Monday 11th April in the morning
- A Workshop with Spanish HVAC manufacturers will be held on Monday 11th April in the afternoon

These two events are explained in pages 4 and 5

The final list of the participants to 3 events (Workshops/Task 53 meeting) can be found in Annex 1

Day 1 - Agenda for Tuesday April 12th, 2016 (9:00pm-18:00pm)

1st block : Plenary

09.00 - 09.15	Welcome and Organisational issues	Daniel Mugnier Pedro Vicente	TECSOL UMH
09.15 - 09.30	Welcome, Introduction, Structure of the meeting Presentation of new participants/attendees	Daniel Mugnier	TECSOL
09.30 - 10:00	Subtask A : Goals, structures, deliverables Components, Systems & Quality	Tim Selke	AIT
10.00 - 10:30	Subtask B : Goals, structures, deliverables Control, Simulation & Design	Robert Fedrizzi	EURAC
10.30 - 10:45	Subtask C : Goals, structures, deliverables Testing and demonstration projects	Fredrik Wallin	MDH Uni
10.45 - 11:00	Subtask D : Goals, structures, deliverables Dissemination & market deployment	Daniel Mugnier	TECSOL

11.00 - 11:30 Coffee Break

2nd Block : Latest developments & results session

11.30 - 11.45	Cilmatewell latest developments	Corey Blackman	CW
11.45 - 12.00	Ongoing works for Höskolan Dalarna	Chris Bales / Corey	DU
12.00 - 12.15	Latest results on LCA tool	Sonia Longo	UNIPA
12.15 - 12.25	German solar cooling project SOLARSPLIT	Felix Loistl	HM
12.25 - 12.35	SunOyster concept and product	Carsten Corino	SunOyster
12.35 - 12.45	Task 53 Subtask C Tool	Daniel Neyer	UIBK
12.45 - 13.00	MIDEA – KAYSUN latest developments	Eduardo Romano	FRIGICOLL

13.00 - 14:30 Lunch Break

3rd Block : Working groups session 1 :

14:30 - 14:45	Organization of Group discussions on Work Package level (5-6 people max per item)	Daniel Mugnier	TECSOL
14:45 – 18:00	Meeting in parallel on Working groups level.		

End of the working Day 1

Dinner: ANSORENA RESTAURANT AT 20:00 pm

Day 2 - Agenda for Wednesday 13th of April 2016 (9:00am-13:30am)

4th Block : Working groups session 2 :

09:00 - 09:15	Organization of Group discussions on Work Package level (5-6 people max per item)	Daniel Mugnier	TECSOL
09:15 - 11:00	Meeting in parallel on Working groups level; Suggested topics:		

11:00- 12:00

Coffee Break + Technical Session + Photo

5th Block : Plenary & overall

12.00 - 12.15	Subtask A : Report on working group items, planning of next steps; distribution of work.	Tim Selke	AIT
12.15 - 12.30	Subtask B : Report on working group items, planning of next steps; distribution of work.	Roberto Fedrizzi	EURAC
12.30 - 12.45	Subtask C : Report on working group items, planning of next steps; distribution of work.	Fredrik Wallin	MDH
12.45 - 13.00	Subtask D : Report on working group items, planning of next steps; distribution of work.	Daniel Mugnier	TECSOL
13.00 - 13.30	General items, next meetings, miscellaneous.	Daniel Mugnier	TECSOL

INFORMAL SPANISH LUNCH AT ATECYR

END OF THE MEETING

Agenda for Monday 11th of April 2016: 10:00 - 13:00 pm

SHC Task53 / PVPS Tas1 Join Workshop

Instituto para la Diversificación y Ahorro de la Energía, IDAE
Ministerio de Industria, Energía y Turismo
C/ Madera 8, 28004, Madrid

Daniel Mugnier, Operating Agent, IEA SHC Task 53
Gaëtan Masson, Operating Agent, IEA PVPS Task 1

Programme:

INTRODUCTION (10.00-11.00)

10.00-10.30	Welcome and coffee		
10.30-10.45	General presentation of SHC Task 53	Daniel Mugnier	TECSOL
10.45-11.00	General presentation of PVPS Task 1	Gaëtan Masson	BECQUEREL Inst.

TECHNICAL PRESENTATIONS (11.00-11.30)

11.00-11.15	Focus on SHC Task 53 latest developments	Tim Selke	AIT
11.15-11.30	Examples of solar cooling innovations in SHC Task 53	PedroQuiles	UMH

DISCUSSIONS (11.30-13.00)

Discussion between SHC and PVPS experts

Agenda for Monday 11th of April 2016: 15:30 - 18:30 pm

Task53 Workshop on the New Generation of Solar Cooling and Heating Systems driven by Photovoltaic or Solar Thermal Energy

Instituto para la Diversificación y Ahorro de la Energía, IDAE
Ministerio de Industria, Energía y Turismo
C/ Madera 8, 28004, Madrid

Seminar Chairman: Dr. Daniel Mugnier, Operating Agent, IEA SHC Task 53

Whereas renewable cooling and heating is more and more a hot topic in the World energy issues, a new generation of solar cooling and heating systems is appearing from labs and in the market. Consisting both in solar thermal or photovoltaic, the concepts are oriented to cost reduction and long term reliability. A new IEA Solar Heating and Cooling programme name Task 53 is exactly addressing this New generation and will present during this workshop the latest ongoing industry development on this topic.

Programme:

INTRODUCTION (15.30-16.00)

Presentation of Solar Cooling and Heating Spanish Contribution on the Programme	Ricardo Enriquez	CIEMAT
General presentation of IEA SHC Task 53	Daniel Mugnier	TECSOL

PRESENTATION OF LATEST ONGOING RESULTS AND DEVELOPMENTS AMONG INDUSTRY

(16.00-18.00)

- 16.00-16.20 : Solar cooling monitoring and assessment (Daniel Neyer, UIBK, Austria)
- 16.20-16.40 : Life Cycle Analysis and solar cooling (Maurizio Cellura / Sonia Longo, UNIPA, Italy)
- 16.40-17.00 : PV cooling concept (Philippe Esparcieux, ATISYS, France)
- 17.00-17.20 : New generation of solar thermal cooling with YAZAKI (Wei Zheng, YAZAKI)
- 17.20-17.40 : DHW production with a PV supported heat pump (Pedro Vicente, UMH, Spain)
- 17.40-18.00 : Experimental analysis of and Inverter Air Conditioner supported by PV (Francisco Aguilar, UMH Spain)

FUTURE OF THE NEW GENERATION OF SOLAR COOLING SYSTEMS: WHICH BARRIERS?

(18.00-18.30)

Discussion on the barriers for the development of solar cooling

Presence (TBC) of the following Spanish companies: Panasonic, Baxi Roca, Viessmann, Kaysun, Fujitsu and Carrier

Annex 1: Meeting Participant list

No.	Name	Institute	e-mail
1	Mugnier Daniel	TECSOL	daniel_mugnier@yahoo.com
2	Selke Tim	AIT	Tim.Selke@ait.ac.at
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7	Pedro Vicente	UMH	pedro.vicente@umh.es
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28	Fredrik Wallin	MDH	fredrik.wallin@mdh.se

Workshop PVPS members participant list

No.	Name	Institute	e-mail
1	GAETAN MASSON	BECQUEREL INSTITUTE	g.masson@iea-pvps.org
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8	Khumthorn NAWALERTPANY A	Solar Energy Development Bureau, Department of Alternative Energy Development and Efficiency	

Workshop Industry participant list

No.	Name	Institute	e-mail
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Annex 2: LOGISTICS FOR TUESDAY MEETING AND WORKSHOP

Arrival to Madrid:

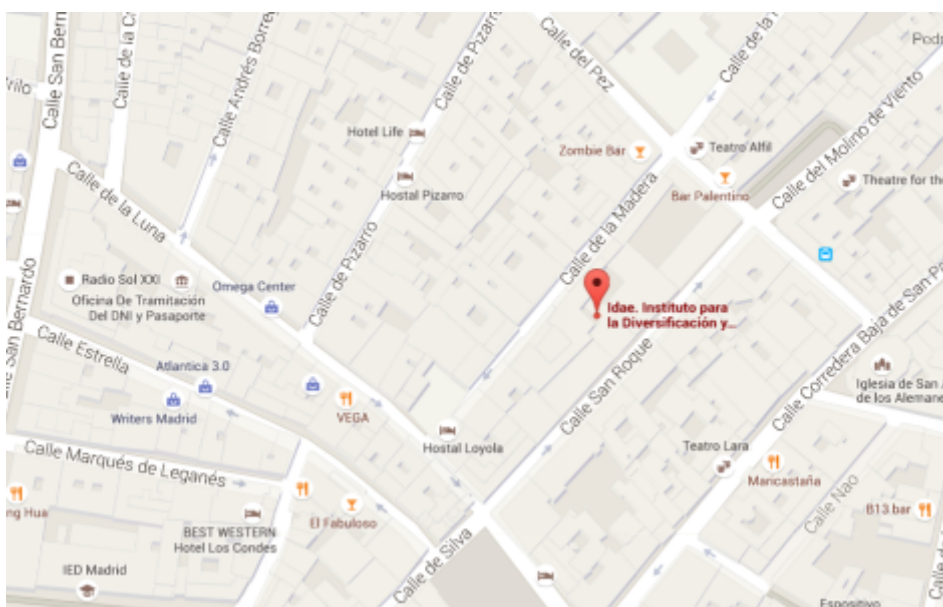
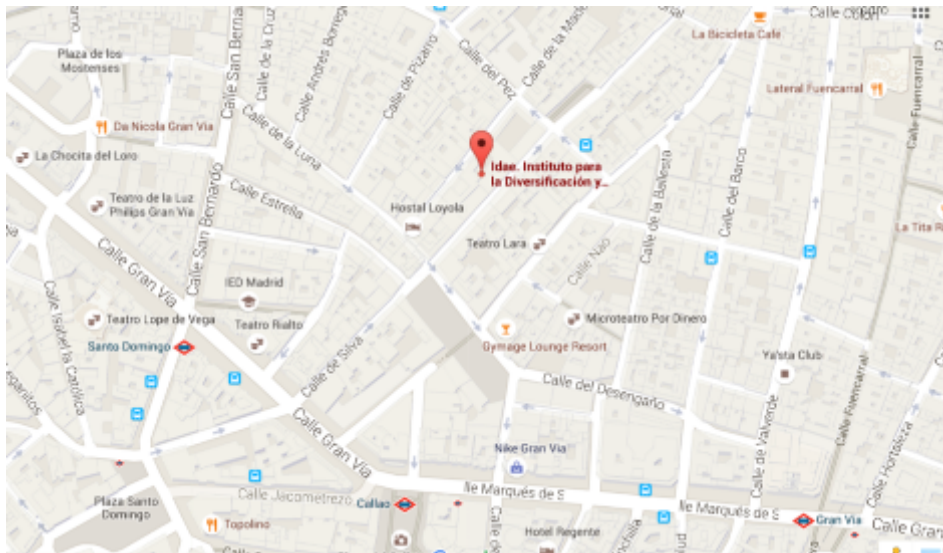
By Plane: From Madrid airport, you can catch a taxi or a metro to the city center

Monday 11th Join meeting and Workshop

Instituto para la Diversificación y Ahorro de la Energía, IDAE

Calle Madera 8.

Metro station: Callao



Annex 3: LOGISTICS FOR TASK 53 MEETING

Arrival to Madrid:

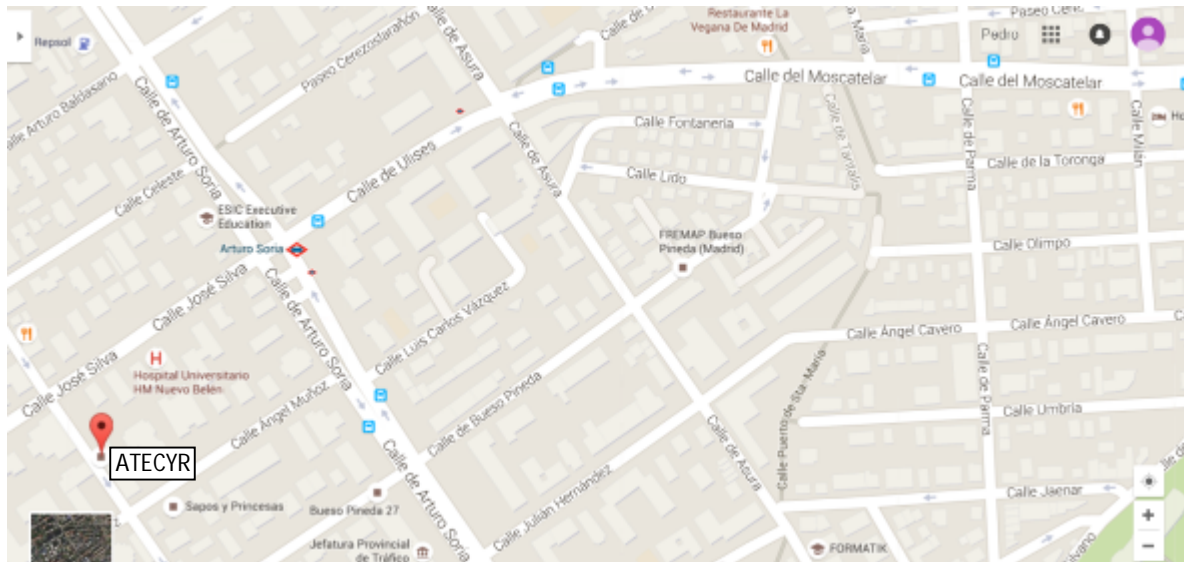
By Plane: From Madrid airport, you can catch a taxi or a metro to the city center

Tuesday 12th and Wednesday 13th Task 53: 5th meeting

ATECYR

Calle Agastia 112.

Metro station: Arturo Soria



Suggested hotels

- Zenit Conde de Orgaz 4* (10 min walk), Moscatelar, 24 (80 €/night, recommended!)
- Suites Feria de Madrid 4* (10 min walk), Moscatelar, 31
- Ilunion Atrium 4* (15 min walk), Emilio Vargas, 3-5
- Hotel Artiem Madrid 4* (20 min walk), Juan Perez Zuñiga, 20